

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-9 (Canceled).

Claim 10 (Currently Amended): A bicycle headlamp comprising:

a rotor comprising a plurality of magnet plates attached to spokes of a bicycle wheel along the circumference of the wheel, each magnet plate having a form of an arc of a certain circle and comprising a plurality of magnets disposed at regular circumferential spacings with alternating south and north poles;

a stator comprising a power-generating coil comprising a coil and an iron core disposed in a fixed position to face the magnetic pole faces of the magnet plates of the rotor; and

a case separated from the stator, or for containing all of the stator, wherein the case contains at least a headlamp electrical circuit comprising a resonance circuit formed of the power-generating coil of the stator and a capacitor connected in series with the power-generating coil, and having, as a resonant frequency, a power-generation frequency determined by the positions where the magnets and the power-generating coil are disposed, when the bicycle is pedaled at a predetermined speed, and a rectifying and smoothing circuit for rectifying, smoothing, and outputting electric power obtained from the power-generating coil of the resonance circuit, a plurality of light-emitting diode diodes that are lit by the electric power supplied from the headlamp electrical circuit, and a condenser lens for focusing light emitted from the plurality of light-emitting diode diodes in front of the bicycle and for illuminating the roadway,

wherein the lens is a dome-shaped lens disposed for each of the plurality of light-emitting diodes, the dome-shaped lens has a curvature, a diameter, and a thickness calculated

to obtain a specified level of illumination in a specified circle at a specified distance by focusing light; and a reflector is provided on a flat-plate portion above the lens, by applying a treatment for producing diffused reflection, so that approaching of the bicycle can be noticed ahead of the bicycle.

Claim 11 (Previously Presented): A bicycle headlamp according to Claim 10, wherein the stator comprises the magnet plates attached to the spokes of the bicycle along the circumference of the wheel, in a continuous ring shape or in separate positions.

Claim 12 (Currently Amended): A bicycle headlamp according to Claim 10, wherein the light-emitting diode is the plurality of light-emitting diodes include a white light-emitting diode with a luminous intensity of 2 cd or higher, and the lens has a focal length such that a certain level of illumination is ensured at a specified distance.

Claim 13 (Canceled).

Claim 14 (Currently Amended): A bicycle headlamp according to Claim 10, wherein the stator, comprising the power-generating coil, the headlamp electrical circuit, the plurality of light-emitting diode diodes, and the condenser lens are contained in the case as a unit.

Claim 15 (Currently Amended): A bicycle headlamp according to Claim 11, wherein the stator, comprising the power-generating coil, the headlamp electrical circuit, the plurality of light-emitting diode diodes, and the condenser lens are contained in the case as a unit.

Claim 16 (Currently Amended): A bicycle headlamp according to Claim 12, wherein the stator, comprising the power-generating coil, the headlamp electrical circuit, the plurality of light-emitting diode diodes, and the condenser lens are contained in the case as a unit.

Claim 17 (Canceled).

Claim 18 (Currently Amended): A bicycle headlamp according to Claim 10, wherein the headlamp electrical circuit, the plurality of light-emitting diode diodes, and the condenser lens are contained in the case; and the stator, comprising the power-generating coil, is separately disposed outside the case.

Claim 19 (Currently Amended): A bicycle headlamp according to Claim 11, wherein the headlamp electrical circuit, the plurality of light-emitting diode diodes, and the condenser lens are contained in the case; and the stator, comprising the power-generating coil, is separately disposed outside the case.

Claim 20 (Currently Amended): A bicycle headlamp according to Claim 12, wherein the headlamp electrical circuit, the plurality of light-emitting diode diodes, and the condenser lens are contained in the case; and the stator, comprising the power-generating coil, is separately disposed outside the case.

Claims 21-24 (Canceled).

Claim 25 (Currently Amended): The bicycle headlamp according to claim [[1]] 10, wherein the predetermined speed is 15 km/h.

Claim 26 (Canceled).